AUTHOR:

Aksenov, N.D.

SOV-3-58-9-14/36

TITLE:

Questions of Safety Engineering at the Vtuz (Voprosy tekhniki

bezopasnosti vo vtuze)

PERIODICAL:

Vestnik vysshey shkoly, 1958, Nr 9, pp 58-60 (USSR)

ABSTRACT:

The viewpoint that questions of safety engineering and industrial sanitation can only be studied through practical work is refuted by the experience of the Bryansk Institute of Transportation Machine Building. Questions of safety engineering and industrial sanitation find their most concrete reflection in the students' course and diploma projects, which were realistic. Five students of the Chair of Locomotive Building, under the supervision of Recent A.A. Kamayev, examined the safety factor of trains speeding around curves. The results obtained were utilized in the students' diploma designs. The author stresses the necessity to make the equipment of the Chairs of Safety Engineering available for scientific research. The author mentions the names of Docent I.A. Selenskiy, Professor I.I. Kirillov and Docent

Card 1/2

B.V. Kalinskiy.

AKSENOV, N.D. (Bryansk)

Improvement of working conditions in the spray painting of articles. Gig.truda i prof.zab. 3 no.6:40-45 N-D '59. (MIRA 13:4)

1. Institut transportnogo mashinostroyeniya.
(SPRAY PAINTING--HYGIENIC ASPECTS)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100720007-4"

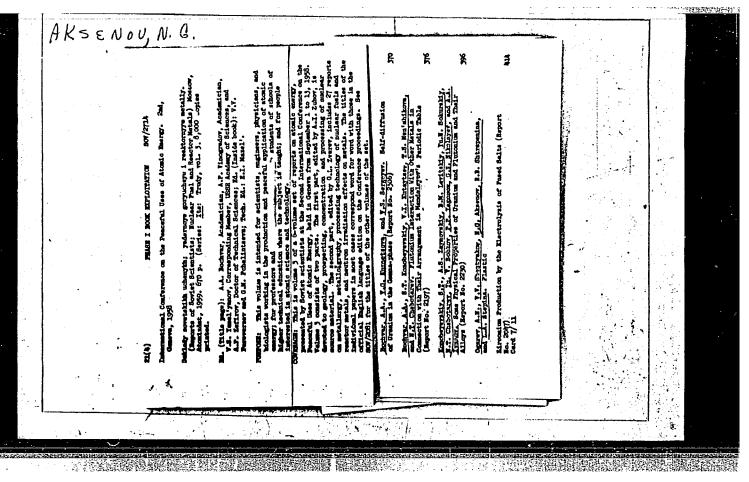
AKSENOV, N.D., Cand Tech Sci-(diss) "Investigation of sanitary working conditions while spray-painting railroad wagons," Moscow, 1960, 20 pp (Moscow Chemico-Technological Institute im D. I. Mendeleyev) (KL, 34-60. 122)

AKSENOV, N.D., kand. tekhn. nauk; FIALKOVSKAYA, T.A., kand. tekhn. nauk, retsenzent; SARANTSEV, Yu.S., inzh., red.

[Labor safety in painting large objects] Okhrana truda pri okraske krupnogabaritnykh izdelii. Moskva, Mashinostroenie, 1965. 129 p. (MIRA 18:4)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100720007-4



L 12263-63

S/271/63/000/004/006/045

AUTHOR:

Aksenov, N. I. and Firsenkov, G. F.

TITLE:

A nonlinear functional generator without use of bias voltage

PERIODICAL:

Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 4, 1963, 12, abstract 4A72 (Tr. n.-i. in-ta teploenerg.

priborostr; 1961, sb. 3, 3-12)

TEXT: The authors describe the operating principle and methodology of the circuit of a diode-functional generator (DFG) in a feed-back circuit. They examine the operation of the DFG, adduce the typical volt-ampere characteristic of germanium and silicon diodes and graphics for the emf of a Chromel-Kopel thermocouple. There is a description of the principle of a DFG circuit and a table of experimental and computed values. They recommend use of this circuit for correcting the nonlinear characteristic of pick-ups and as the decision element in continuous-action computers, where transformation with a high degree of accuracy is required. There are 7 illustrations and one table. P. M.

Abstracter's note: Complete translation7

Card 1/1

AKSKNOV, N.N.; BARSOV, I.P.; BARSUKOV, F.D.; BEZRUCHENKO, I.F.; BUROV, D.T.;

BURLYAY, A.A.; VASIL'YEV, G.I.; VOSTOKOV, Ye.I.; GOLOV, M.A.;

IL'IN, M.M.; KAMSYUK, S.A.; KOLESOV, A.N.; KOPOTEV, A.N.; LEVITAN,

S.D.; LYSOY, G.B.; LYAL'CHUK, V.K.; L'YOV, N.A.; LYAPUNOVA, A.I.;

MISHKOV, K.V.; NASTYUKOV, G.A.; NIGOF, V.N.; PESKOV, K.A.;

PERFIL'YEV, A.P.; SARUKHANYAN, R.L.; SIDORKOV, I.A.; SMIRNOV, A.N.;

SURIN, P.I.; SYSOYEV, V.D.; TISHCHENKO, A.A.; FILIPPOV, G.P.;

FOMICHEV, A.M.; YAKOVLEV, I.P.; MURAV'YEV, A.I., Polkovnik, red.;

ZUDINA, M.P., tekhn.red.

[Service clubs; a practical reference book] Klub voinskoi chasti (korablia); spravochno-metodichaskoe posobie. Moskva, Voen.isd-vo M-va obor.SSSR, 1961. 342 p. (MIRA 14:4)

1. Russia (1923- U.S.S.R.) Glavnoye politicheskoye upravleniye Sovetskoy Armii i Voyenno-Morskogo Flota. Upravleniye propagandy i agitatsii.

(Soldiers--Recreation)

AKSENOV, N.P., professor doktor tekhnicheskith nauk; SHESTOPAL, V.M., rodaktor; GRAKOVA, Ye., tekhnicheskiy redaktor

[Foundry equipment] Oborudovanie liteinykh tsekhov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostoit. lit-ry, 1946. 551 p. (MLRA 9:11)

(Foundry machinery and supplies)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100720007-4"

AKSENOV, Nikolai, Pavlovich

Author: Aksenov, Nikolai Paylovich

Title: The Equipment of foundry plants. The handbook issued by the ministry

of Education for the Machine construction Institutes. (Oborudovanie

liteinylch tselchov.) 534 p.

City: Moscow Publisher:

Billigation: State Printing House of Machine Consturction Literature

Date: 1950

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3, No. 12, p. 836

OSETROV, A., dotsent; TRIFONOVA, T., dotsent; CHEBOTAREV, I., assistent;
AKSENOV, N., assistent

Veterinary examination of carcasses of sheep affected by disease caused by feather grass. Mias.ind.SSSR 30 no.6:32-34 '59. (MIRA 13:4)

1. Semipalatinski zooveterinarnyy institut. (Sheep--Diseases)

AKSENOV, N. S., OSETROV, A. A., TRIFONOVA, T. K. and CHEBOTAREV, I. E.

"Feather grass disease in sheep in Kazakhstan."

Veterinariya, Vol. 37, No. 5, 1960, p. 37

Aksanov — Assistant Semigrializak Zoovet Inst

AKSENOV, N.S., assistent

Phonendoscope in rectal diagnosis of pregnancy. Veterinariia 38 no.8850-51 Ag '61 (MIRA 1801)

1. Semipalatinskiy zooveterinarnyy institut.

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100720007-4"

AKSENOV, N.S., inzh.; KIREYEV, V.S., kand, tekhn. nauk

Means for the mechanization of handling high-capacity containers.

Mekh. i avtom. proizv. 17 no.6:57-60 Je '63. (MIRA 16:7)

(Materials handling)

OSETROV, A.A., dotsent; TRIFOMOVA, T.K., dotsent; CHEBOTAREV, 1.Ye., assistent; AKSENOV, N.S., assistent

Examining the carcasses of sheep injured by feather grass. Veterinariia 41 no.7:97-98 J1 164. (MIRA 18:11)

1. Semipalatinskiy zooveterinarnyy institut.

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100720007-4"

L 10932-67 EWT(1) SCTB DD/GD

ACC NR: AT6022290 -

SOURCE CODE: UR/0000/66/000/000/0033/0038

AUTHOR: Aksenov, O. B.

25

ORG: none

TITLE: Electro stimulation of skin as a method for supplying information to operators

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966. Sektsiya bioniki. Doklady. Moscow, 1966, 33-38 and pages 120-122

TOPIC TAGS: bioelectric phenomenon, skin physiology, human sense, human engineering, perception

ABSTRACT: On the basis of literature published in foreign, particularly US, scientific literature, researchers at the Odessa Polytechnic Institute (Odesskiy politekhnicheskiy institut) investigated the feasibility of using the tactile channel for supplying information to man-operators. A study was made of the quality of stimuli (pleasant, unpleasant, painful), and it was found that for 8-cps 1-psec pulses, the sensitivity threshold is between 3 and 20 V; at about 1 cps, the threshold amplitude increases significantly, and at higher frequency the dynamic range of stimuli becomes relatively small. The pulse length is an important factor during tactile sensitivity measurements. Experiments concerning spacial recognition of stimuli, recognition of ten points of stimulation, and stimulation with constant reference points are described. All the experiments are still in the preliminary stage. Orig. art. has: 2 tables.

SUB CODE 3/A, 06/ SUBM DATE: 08Apr66/ ORIG REF: 002/ OTH REF: 006

AKSENOV, P.

The soul of a tractor driver; a sketch. Sov. profsoiuzy 20 no.3:24-25 F 164. (MIRA 17:3)

1. Predsedatel¹ tsekhovogo komiteta 24-go lesouchastka Mariinskogo lesnogo khozyaystva, Kemerovskaya obl.

CORYAYNOV, K.E.; MARKARYAN, M.S.; AKSEMOV, P.A.

Electric welding of refractories. Stek. 1 ker. 22 no.2;33-35
F '65. (MIRA 18;3)

SOV/96-59-6-18/22

AUTHOR: Aksenov, P.I. (Engineer) TITLE:

Scientific Work Carried Out in the Moscow Power Institute

in 1958 (Nauchno-issledovatel'skiye raboty, vypolnennyye v MEI v 1958 g)

PERIODICAL: Teploenergetika, 1959, Nr 6, pp 88-90 (USSR)

ABSTRACT: This is a list of 25 articles with a very brief summary

of each.

There are no figures, no references.

Card 1/1

Aksenov, P.I. (Engineer) SOV/96-59-10-18/22

AUTHOR: Aksenov, P.I. (Engineer)
TITLE: New Power Station Designs made by the Moscow Division of

Teploelektroproyekt

PERIODICAL: Teploenergetika, 1959, Nr 10, pp 89-91 (USSR)

ABSTRACT: A Heat and Electric Power Station of 250 MW: chief

design engineer A.M. Novopokrovskiy.
This station is designed with the boilers and machines out of doors, which reduces the capital cost by about 8% and

cuts construction times. It is proposed to instal three sets type VPT-50-3, one type PVR-50-13 and one type VT-50-1, with initial steam conditions of 130 atm and 565 oC. There will be four gas/fuel-oil boilers, each with an output of 420 tons per hour with initial steam conditions of 140 atm and 570 oC. One peak load water-heating boiler type PTV-100 of 100 Mkcal/hour will also be installed to cover peak heating loads. The main fuel is natural gas of

cover peak heating loads. The main fuel is natural gas of low calorific value. The sets will be arranged in line and the general arrangement is described. The turbo sets are provided with individual shelters made of duralumin sheets thermally insulated on the inside. The water

purification plant is installed outdoors. Integrated Card 1/4 automation of the equipment of the station is provided for.

SOV/96-59-10-18/22

New Power Station Designs made by the Moscow Division of Teploelektroproyekt

Cost and performance data are given.

Heat and Electric Power Station of 300 MW: chief design engineers G.M. Katkov and B.M. Vymorkov.

This station is designed to supply steam, heat and electric power to an oil refinery and associated housing. The main equipment will be four turbo-generators type VPT-50-3 and two type PVR-50 with back-pressure of 15 atm, and six boiler sets type TGM-420, each with an output of 420 tons of steam per hour at a pressure of 140 atm and a super-heated steam temperature of 570 °C. Feed water temperature is 230 °C. Fuel oil will be burned. Parallel connections are provided for steam and feed water. The general layout of the station is briefly rescribed and cost and efficiency data are given.

Heat and Electric Power Station of 450 MW: chief design engineer I.P. Kuptsov.

This station is to be built in two steps. At first there will be three turbines, one type VK-50 and two type VPT-50, with steam conditions of 90 atm and 535 °C, and five boiler sets type TP-220 each with an output of 220 tons of steam per hour and 100 atm and 540 °C. The power station

Card 2/4

SOV/96-59-10-18/22

New Power Station Designs made by the Moscow Division of

Teploelektroproyekt

will burn pulverised coal, the properties of which are given. Later the station will be extended to 450 MW by the installation of three turbines type PVK-100 each operating as a unit with a once-through boiler with an output of 350 tons per hour at 140 atm and 570 °C, with reheat to 565 °C. Wet ash removal will be used. Cost and performance data are given.

Regional Electric Power Station of 1500 MW: chief design engineer S.I. Yegorov.

This station is also to be constructed in two stages. The first comprises 300 MW generators with turbines type VKT-100 running at a pressure of 90 atms and a temperature of 535 °C, and six drum-type boilers with an output of 230 tons per hour at 100 atms and 540 °C. The first section of the station will burn Chelyabinsk brown coal. The proposed layout is described and the cost and efficiency figures are given. On extending the station from 300 MW to 1500 MW there will be installed four turbo-generators type PSVK-300, each with an output of 300 MW, and four once-through boilers each with an output

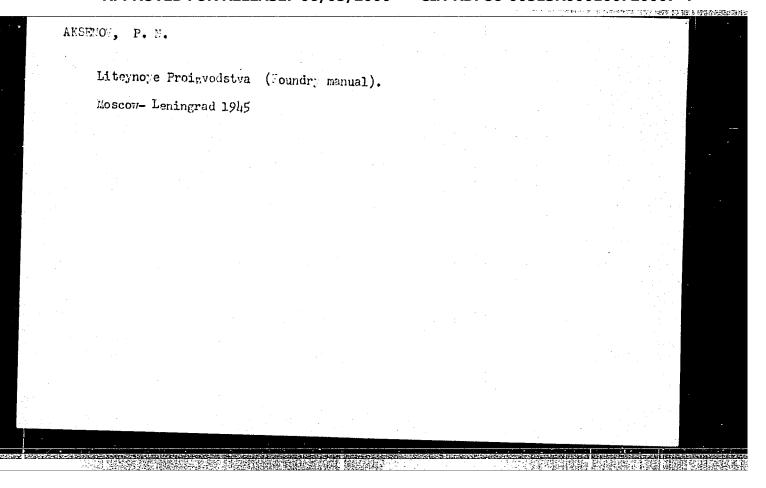
Card 3/4

New Power Station Designs made by the Moscow Division of Teploelektroproyekt

Card

4/4

of 950 tons per hour at 250 atm and 585 °C, with reheat to 570 °C. The steam conditions at the turbine stop valve are 240 atm and 580/565 °C. The equipment will be the first of its kind to be made by the manufacturers. The fuel will be coal of low calorific value. There are no tables, figures or references.



AKSENOV, P. N.

Liteinoe proizvodstvo. Izd. 2., ispr. i dopoln, Dop. v kachestve uchebnika dlia mashinostroit. tekhnikumov. Moskva, Mashgiz, 1945. 571 p. diagrs.

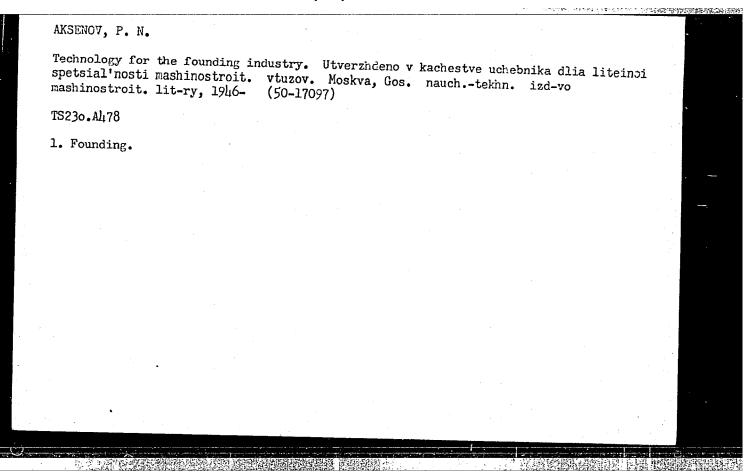
Includes bibliographies.

Founding.

NN

DLC: TS230.A476 1945

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.



AKSENOV, P. N.

Author: Aksenov. P. N.

Title: Technology of the smalting industry; a special course; edited by L. N. Harienbekh. (Tekhnologiia liteinogo proizvodstva;)

City: Moscow Publisher:

Edditorizate State Printing House of Literature on Scientific and Technical Machine Production.

Date: 1946

Available: Library of Congress

Source: Monthly List of museign Accessions, Vol. 3, No. 1, Page 17

AKSENOV, P. N. and others.

Tekhnologiia liteinogo proizvodstva; spetsial'nyi kurs; pod red. L. M. Marienbakha. Utverzhdeno v kachestve uchebnika dlia liteinoi spetsial'nosti mashinostroit. vtuzov. Moskva, Mashgiz, 1946-illus.

Technology of founding; special course.

WaU

DLC: TS230.A478

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100720007-4"

AKSENOV, P. N.

Formovochnoe delo. Utverzhdeno v kachestve uchebn. posobiia dlia remesl. i zhel-dor. uchilishch. Moskva, Mashgiz, 1946. 203 p. illus.

Pattern making.

DLC: TS240.A48

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

AKSENOV, P. N.

Raschety osnovnykh vidov liteinogo oborudovaniia. Moskva, Mashgiz, 1947. 90 (4) p. diagrs.

Bibliography: p. (97)

Design of various kind of basic founding equipment.

DLC: TS235.A4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

AKSENOV, P. N.

Tables of calculations for the principle types of founding equipment. Koskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1947. 96 p. (52-23336)

TS235.A4

Authora Aksenov. P. N.

Title: Costing Industry. 3rd Ed. Authorized as a text for Higher Mechanical Eng. ineering Schools.
551 pp., diagrs., bibliographies.

Date: 1950. Moscow

AKSENOV, P. N.

Subject: Founding

Available: Library of Congress, Call No: TS250.Ali76 1950

Source: Lib. of Cong. Subj. Cat., 1951

AKSENOV, P. N.

Voprosy avtomatizatsii oborudovaniia v liteinom proizvodstve. (Vestn. Mash., 1948, no. 10, p. 39-46)

Includes bibliography.

Automatization of foundry equipment.

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

AKSENOV, P. N. and NIKOLAI PAVLOVICH AKSENOV.

Oborudovanie liteinykh tsekhov. Dop. v kachestve uchebnika dlia vtuzov. 4. izd. Moskva, Mashgiz, 1949-50. 2 v. illus.

Includes bibliographies.

Foundry equipment.

MH

DLC: TS230.A475

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

AKSENOV, P. N.

Liteinoe proizvodstvo. Izd. 3. Dop. v kachestve uchebnika dlia mashinostroit. tekhnikumov. Moskva, Mashgiz, 1950. 551 p. diagrs.

Includes bibliographies.

Founding.

DLC: TS230.A476 1950

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100720007-4"

AKSENOV, P.N. Konstruktivnyye Chertezhi Formovochnykh I Stermhnevykh Mashin (Constructional Designs of Molding and Core Making Machines, by) P.N. Aksenov i S.Z. Stolsovoy. Moskva, Mashgiz, 1952. 2 v. Diagrs., Tables. Contents:-v. 1: Atlas.--v. 2: Tekst. Lib. Has: v.l v. 2 SO: N/5 662.33 .A3

- 1. AKSENOV, P. N.
- 2. USSR (600)
- 4. Machinery, Kinematics of
- 7. Selection of basic types of operating machinery and technological processes for the automatization of foundry production, Lit. proizv., no. 4, 1953.

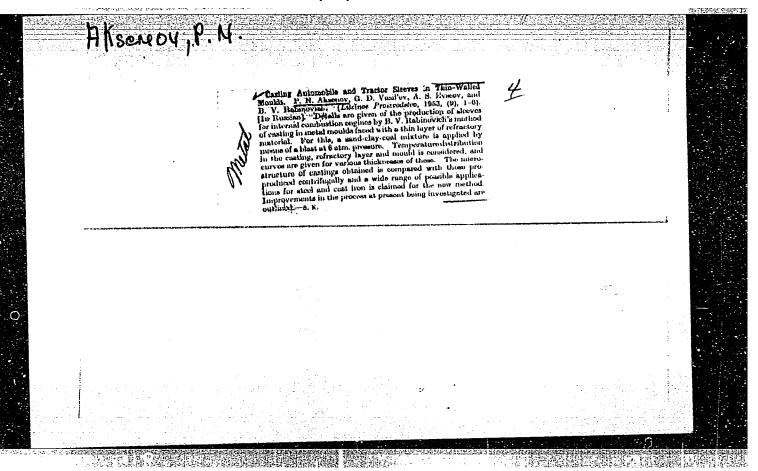
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

- 1. RUBTSOV, N.N., Prof.; AKSENOV, P.N., Prof.; VOROB'YEV, M.I.
- 2. USSR (600)
- 4. Founding
- 7. Basic tasks of Soviet science in the field of foundry production, Prof. N.N. Rubtsov, Prof. P.N. Aksenov, M.I. Vorob'yev, Lit.proizv. no. 5, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

AKSENOV, P.N. [anthor]; YUDIN, S.P. [reviewer].

Textbook for molders and foundrymen. ("Molding." P.N.Aksenov. Reviewed by (MIRA 6:8)
S.P. IUdin). Lit.proizv. no.8:30-31 Ag '53. (Founding) (Aksenov, P.N.)



AKSENOV, P.N., doktor tekhnicheskikh nauk, professor, laureat Stalinskoy premii; MATVEYEVA, Ye.N., tekhnic askiy redaktor.

[Automation in founding; materials of a scientific and technical session on automation in founding] Avtomatizatsiia liteinogo proizvodstva; materialy nauchno-tekhnicheskoi sessii po avtomatizatsii liteinogo proizvodstva. Moskva, Gos. nauchno-tekhn. izd-vo mashino-stroitel noi lit-ry, 1954. 190 p.

(Founding)

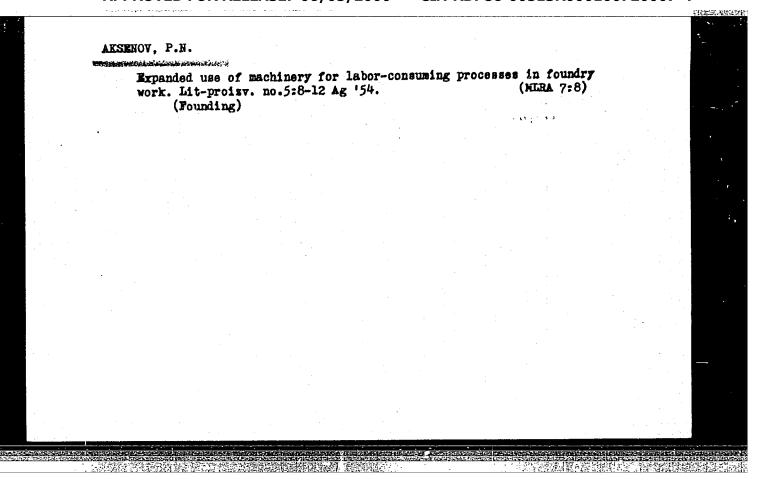
(Founding)

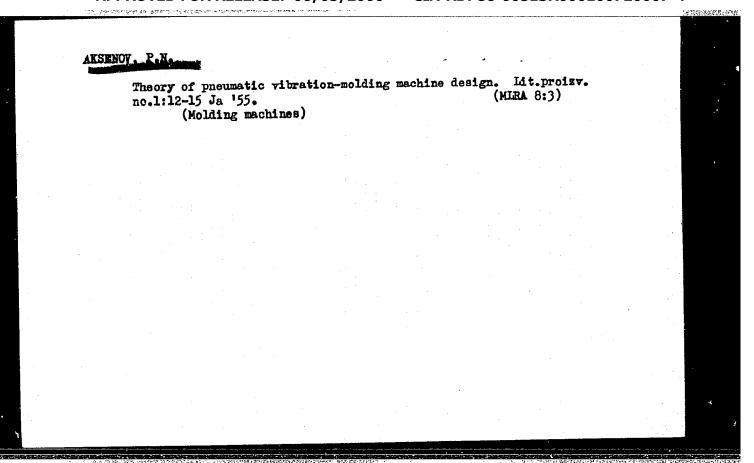
APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100720007-4"

AKSENOV, P.N., doktor tekhnicheskikh nauk, professor; YUDIN, S.T., inzhener, retsenzent; KRYIOV, V.I., inzhener, redaktor; POPOVA, S.M., tekhnicheskiy redaktor.

[Molding] Formovochnoe delo. Izd. 3-e, perer. i dop. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1954. 289 p. (MIRA 8:4) (Founding)

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AKSENOV, P.N.

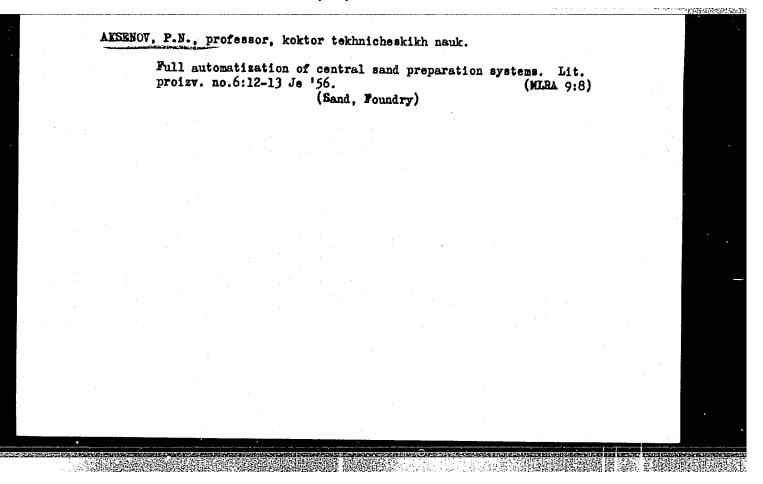
Operation of mechanical inertia knock-out gratings and vibrator sieves. Lit.proizv. no.8:16-19 Ag'55. (MLRA 8:11) (Founding)

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AKSENOV, P.N., doktor tekhnicheskiy nauk, redaktor; KRYLOV, V.I., inzhener, redaktor; PASTERHAK, N.A., inzhener, redaktor; UVAROVA, A.F., tekhnicheskiy redaktor; MATVEYEVA, Ye.N., tekhnicheskiy redaktor

[Problems of founding and the heat treatment of iron] Voprosy leteinogo proizvodstva i termicheskoi obrabotki chuguna. Pod red. P.N. Aksenova. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. 1956. 164 p. (MIRA 9:7)

1. Moscow. Moskovskiy avtomekhanicheskiy institut (Iron founding) (Iron-Heat treatment)



Parel Nikolayevich AKSENOV,

PHASE I BOOK EXPLOITATION

88

Aksenov, Pavel Nikolayevich, Doctor of Technical Sciences

Tekhnologiya liteynogo proizvodstva (Technology of Casting) Moscow, Mashgiz, 1957. 664 p. 15,000 copies printed.

Reviewers: Titov, N.D., Candidate of Technical Sciences, Docent, and Fantalov, L.I., Doctor of Technical Sciences, Professor; Ed.: Konstantinov, L.S., Candidate of Technical Sciences; Tech. Eds.: Uvarova, A.F., and Model', B.I. Managing Ed. for Literature on Heavy Machine Building (Mashgiz): Golovin, S.Ya.,

PURPOSE: This monograph was prepared in connection with a specialized course of instruction entitled "Technology of Casting" for machine-building technical schools (tekhnikum) and is a systematic textbook of this subject. The material presented in this textbook may also be of interest to production personnel. The book is authorized as a textbook for tekhnikums by the Ministry of the Automobile Industry,

Card 1/19

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Technology of Casting

88

COVERAGE: The basic technological processes involved in casting are grouped in the first three parts of the textbook. They deal with 1) molds and their preparation 2) casting alloys and preparation of molten metal, and 3) the casting process. The material for the basic part of the course is based on prevailing pig iron foundry practices of the machine-building industry. Special features of making castings from malleable iron, steel, and nonferrous alloys, and special methods of casting, i.e., permanent mold casting, continuous casting, casting under pressure, centrifugal casting, investment casting, shell-mold casting are presented in the fourth part of the textbook. The fifth and last part of the textbook presents basic principles for designing foundries. Some technological calculations involved in designing a foundry and some problems of foundry planning are given.

Card 2/19

Table OF CONTENTS: Foreword 1. The role and importance of casting in the machine- building industry 2. Short review of the development of casting in the USSR PART I. THE MANUFACTURE OF CASTING MOLDS Ch. I. Mold Materials and Their Rreparation 1. General information on mold materials 2. Service conditions of mold materials in a casting das behavior in the mold Card 3/19		一个人的人们将这些人们将他们的
TABLE OF CONTENTS: Foreword Introduction 1. The role and importance of casting in the machine- building industry 2. Short review of the development of casting in the PART I. THE MANUFACTURE OF CASTING MOLDS Ch. I. Mold Materials and Their Rreparation 1. General information on mold materials 2. Service conditions of mold materials in a casting 14 Gas behavior in the mold	Technology of Casting	:
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AKSEHOV, P.N.

Automatized lines for sand-blast molding. Lit. proizv. no.11:15-18

N '57. (MIRA 10:12)

(Molding (Founding)) (Assembly line methods)

AKSENOV P. N.

AUTHOR:

None Given

117-58-5-24/24

TITLE:

Conference on Construction and Utilization of Casting

Equipment (Konferentsiya po konstruirovaniyu i ekspluatatsii

liteynogo oborudovaniya)

PERIODICAL:

Mashinostroitel', 1958, Nr 5, p 48 (USSR)

ABSTRACT:

In December 1957, a scientific-research conference took place in Gor'kiy dealing with the construction and utilization of casting equipment. It was organized by the department of casting of the NTO MASHPROM. At the conference were 900 representatives from machine building plants, casting equipment plants, scientific research institutes, universities, etc. A total of 28 reports were given. I.P. Yegorenko, Candidate of Technical Sciences (NIILITMASH) reported on the actual state and development of the casting technique. P.N. Aksenov, Doctor of Technical Sciences (MAMI) reported on automated lines of sand-blowing moulding. L.M. Mariyenbakh, Doctor of Technical Sciences (MVMI) reported on the subject "Mechanized Drying Kilns". G.S. Zelichenko, Engineer (Leningrad Branch of Soyuzprommekhanizatsii) reported on "Automatic Lines of Molding in Casting Shops". A.D. Ginzburg (LF VPTI tyazhmash)

Card 1/2

reported on a self-constructed automatic machine for the pro-

117-58-5-24/24

Conference on Construction and Utilization of Casting Equipment

duction of shell moulds. V.N. Bobrov (NIILITMASH) talked about automatic machines for moulding. A.V. Odinokov, Engineer, reported on modern sand blasting devices. G.S. Taburinskiy, Engineer (NIITLITMASH) reported on "Automatic Machines for the Production of Shell Molds and Cores". Z.D. Levin (Plant KATEK) spoke on "Projects and Utilization of Equipment for Mechanized Casting". I.V. Yefimov, Engineer, spoke on "Mechanization and Automation of the Technological Process of Casting With Meltable Models". G.R. Nikol'skiy, Engineer (NIILITMASH) spoke on hydraulic and sand-hydraulic cleaning of castings. B.G. Shpital'nyy (NIILITMASH) talked about the automatic moulding machine Nr 96264.

AVAILABLE: Card 2/2

Library of Congress

1. Casting equipment-Development 2. Casting equipment-Application

AKSENOV, P.N.; OKROMESHKO, N.V.; STOLEOVOY, S.Z.; TALANOV, P.I., prof., retsenzont; POLOZKOV, M.A., inzh.; SALTYKOV, V.S., inzh.; UVAROVA, A.F., tekhn.red.

[Structural design of foundry machinery] Konstruktivnye chertezhi meshin liteinogo proizvodstva; atlas. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 217 p.

(MIRA 12:12)

(Foundry machinery and supplies)

28(1) PHASE I BOOK EXPLOITATION

sov/2156

Soveshchaniye po kompleksnoy mekhanizatsii i avtomatizatsii tekhnologicheskikh protsessov. 2nd, 1956.

Avtomatizatsiya mashinostroitel'nykh protsessov; /trudy
soveshchaniya/, tom. 1: Goryachaya obrabotka metallov
(Automation of Machine-Building Processes; Proceedings of the
Conference on Over-All Mechanization and Automation of Technological Process, Vol 1: Hot Metal-Forming) Moscow, 1959. 394 p.
5,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut machinovedeniya. Komissiya po tekhnologii mashinostroyeniya.

Resp. Ed.: V.I. Dikushin, Academician: Compiler: V.M. Raskatov: Ed. of Publishing House; V.A. Kotov; Tech. Ed.: I.F. Kuz'min.

PURPOSE: The book is intended for mechanical engineers and metallurgists.

Card 1/8

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Card 2/8

SOV/2156 Automation of Machine-Building Processes (Cont.) The transactions of the Second Conference on the Over-All COVERAGE: Mechanization and Automation of Industrial Processes, September 25-29, 1956, have been published in three volumes. book, Vol. I, contains articles under the general title, Hot Working of Metals. The investigations described in the book were conducted by the Sections for Automation and Hot Working of Metals, under the direction of the following scientists: casting -P.N. Aksenov, D.P. Ivanov and G.M. Orlov; forming - A.I. Tselikov, A.D. Tomlenov and V.T. Meshcherin; welding - G.A. Nikolayev, B.I. Frolov and G.A. Maslov. There are 183 references: 142 Soviet, 34 English, 6 German, and 1 French. TABLE OF CONTENTS: PART I. AUTOMATION OF CASTING PROCESSES Aksenov, P.N. Prospects for the Automation of Casting 5 16 Ivanov, D.P. Trends in Casting Korol'kov, A.M. Casting Properties of Alloys in Connection 24 with Structural Diagrams

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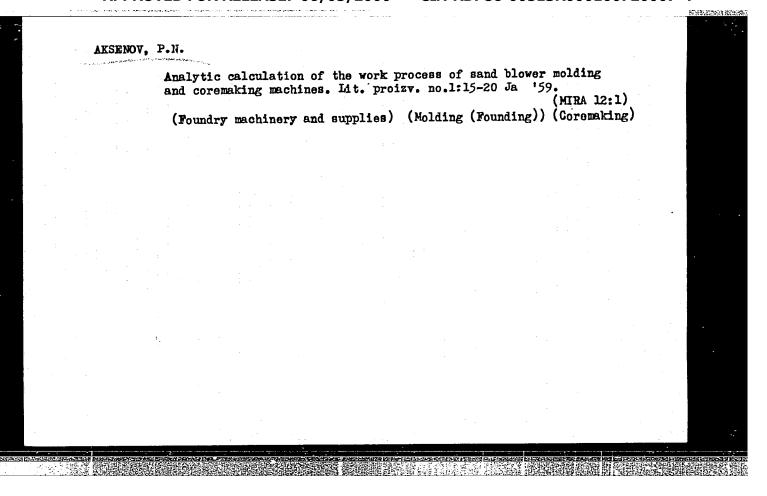
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AKSENOV, P.N.

SOV/180-59-4-47/48

AUTHOR:

None given

TITLE:

A Conference on the Accuracylof Machine Building Castings

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh

nauk, Metallurgiya i toplivo, 1959, Nr 4, pp 255-256 (USSR)

ABSTRACT:

A conference on the above subject took place in the Institute of Machine Building of the Academy of Sciences of the USSR on 22-24th April 1959. About 200 representatives of scientific-research institutes, laboratories, universities and largest works from 34 towns participated in the conference. The following papers were read: B.B.G'ulyayev "The present state of studies of the accuracy of castings"; P.N. Aksenov "Tasks of investigations of the dependence of the accuracy of castings on technological factors"; N.P. Berg "Methods of analytical evaluation of dimensions of castings"; Yu.A. Vorob'yev "Theoretical and experimental investigations of the accuracy of castings"; I.P. Yegorenkov - "The system of allowances for mechanical working of castings";

Ye.G.Kopanevich "Methods for the determination of

tolerances for dimensions of cast parts"; S.A. Kazenkov "Tolerances for non-ferrous castings produced by various

Card 1/3

SOV/180-59-4-47/48

A Conference on the Accuracy of Machine Building Castings

methods of casting"; G.N.Nikol'skiy "Methods of controlling the cleanliness of the surfaces of castings"; L.S.Konstantinov "The influence of stresses formed during casting on the accuracy of castings"; L.Ye.Komarov "The process of packing moulds as a factor determining the accuracy of castings"; S.S.Zhukovskiy and "Sources of errors in the dimensions Yu Ch uan-chin of castings caused by specific features of operation of the pattern-mould boxes equipment"; A.M.Dubrovskiy
"Typical deformations of casting moulds"; V.O.Yakovlev "Conditions of making accurate castings in sand moulds"; M.P. Ivanov "The influence of the chemical composition of iron on the accuracy of dimensions of castings"; S.N. Fomchenko and B.B. Gulyayev "Improvement in the accuracy of castings made in pressed shell moulds"; V. V. Ryzhenkov "Experience in increasing the cleanliness and accuracy of large castings"; N.N.Rubtsov and I.L.Zhelikov "On the accuracy of castings made by the lost wax method"; I.I. Goryunov "An investigation of the accuracy and surface cleanliness of castings made under pressure and by the lost wax method"; M.F. Makel'skiy and

Card 2/3

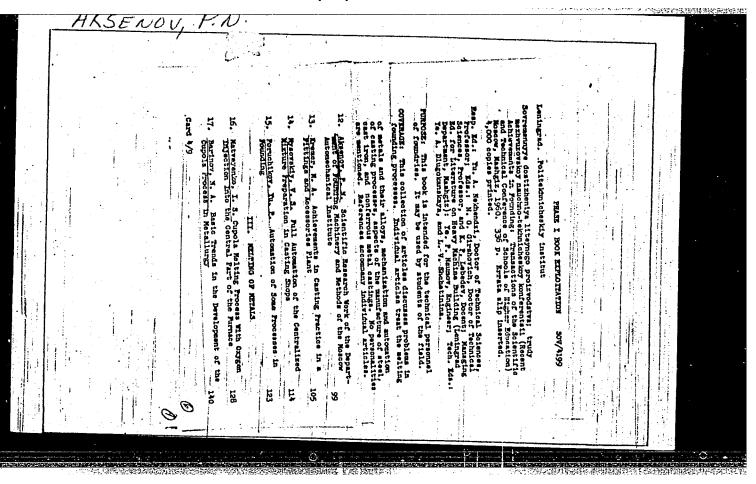
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AKSENOV, P.

An analytic method of approach to the functioning of core blowing machines. Tr.

PRZEGLAD ODLEWNICTWA. (Stowarzsyzenie Techniczne Oldewnikow Polskich) Krakow, Poland. Vol.9, no.3, nar. 1959

Monthly List of East European Accessions Index (EEAI) LC, Vol.8, no.66, June 1959



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LEVI, L.I.; LYASS, A.M.; MARIYENBAKH, L.M.; ORLOV, G.M.; POHUCHI
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VASILEVSKIY, P.F., red.; KLOCHNEV, N.I., red.; KONSTANTINOV, L.S.,

red.; POLYAKOV, Ya.G., red.; MARKIZ, Yu.L., red.izd-va; UVAROVA,

A.F., tekhn.red.

[Theory of founding processes] Voprosy teorii liteynykh protsessov. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 692 p.

(MIRA 13:7)

(Founding)

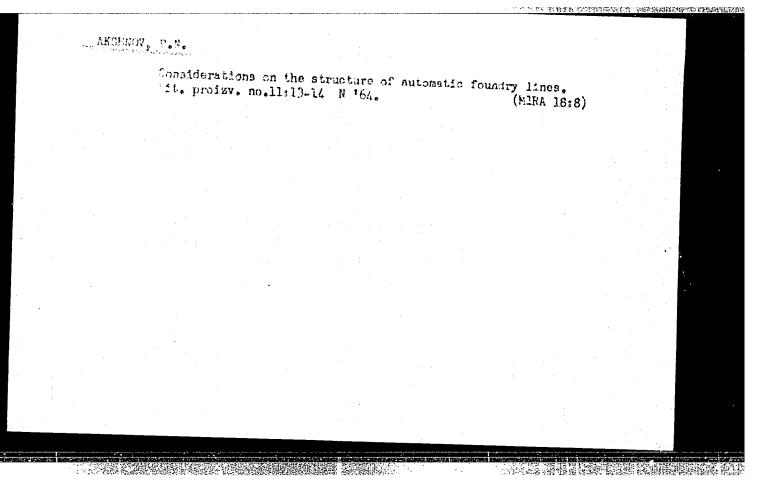
"Founding machines" by A.I. Volkomich, A.P. Lakshin, D.L. Khazin. Reviewed by P.N. Aksenov. Lit. proizv. no.7:47-48 Je *60. (MIRA 13:7)					
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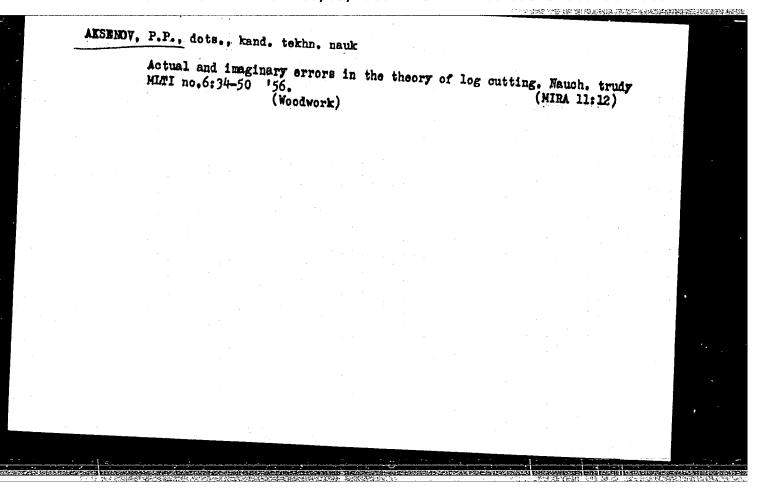
AKSENOV, Pavel Nikolayevich, doktor tekhn. nauk, prof.; BERG, P.P., doktor tekhn. nauk, prof., retsenzent; TIKHANOV, A.Ya., tekhn. red.

[Theory of founding machines] Nekotorye voprosy teorii mashin liteinogo proizvodstva. Moskva, Mashgiz, 1962. 231 p. (MIRA 15:7) (Foundries—Equipment and supplies)

AKSENOV, P.N., doktor tekhn.nauk, prof.; PRONOV, A.P., kand.
tekhn. nauk, retsenzent; CHERNYAK, O.V., insh., red.;
UVAROVA, A.F., tekhn. red.

[Mold making] Formovochnoe proizvodstvo. Izd.4. Moskva,
Mashgiz, 1963. 287 p. (MIRA 16:7)
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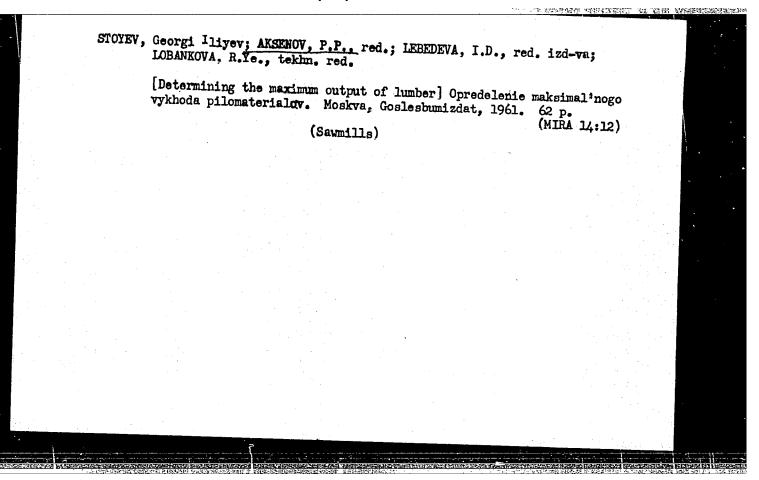


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izd-va; BACHURINA, A.M., tekhn.red.

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(Lumber)



AKSENOV, P.P., prof., dr. na tekhnicheskite nauki

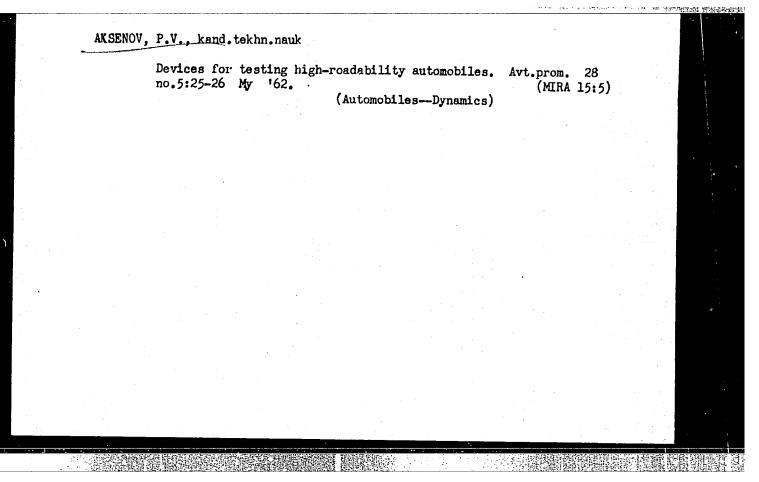
Problem of a more economical utilization of wood in cutout processes. Durvomebel prom 5 no.3:3-7 My-Je 162.

1. Moskovski lesotekhnicheski instatut SSSR.

AKSENOV, Petr Pavlovich, prof., doktor tekhn. nauk; Prinimali uchastiye: MAKAROVA, N.S., kand. tekhn. nauk; PROKHOROV, I.K., dots.; TYUKINA, Yu.P., dots.; PESOTSKIY, A.N., retsenzent; KHUDIN, A.S., retsenzent; BASKAKOV, Ye.D., otv. red.

[Technology of lumber] Tekhnologiia pilomaterialov. Moskva, Goslesbumizdat, 1963. 578 p. (MIRA 17:5)

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AKSENOV, P. V., kand. tekhn. nauk; PIRKOVSKIY, Yu. V.

"Using electric measurement methods in automobile testing"
by N. A. Bukharin, V. K. Goliak. Reviewed by P. V. Aksenov.
Avt. prom. 29 no.5:3 of cover My '63. (MIRA 16:4)

(Automobiles—Testing).
(Bukharin, N. A.)
(Goliak, V. K.)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100720007-4"

AKSENOV, P.V., kand. tekhn. nauk; SHIRYAYEV, P.P.

Controllability of indapendent semitrailers. Avt. prom. 29
no.11:16-18 N '63. (MIRA 16:12)

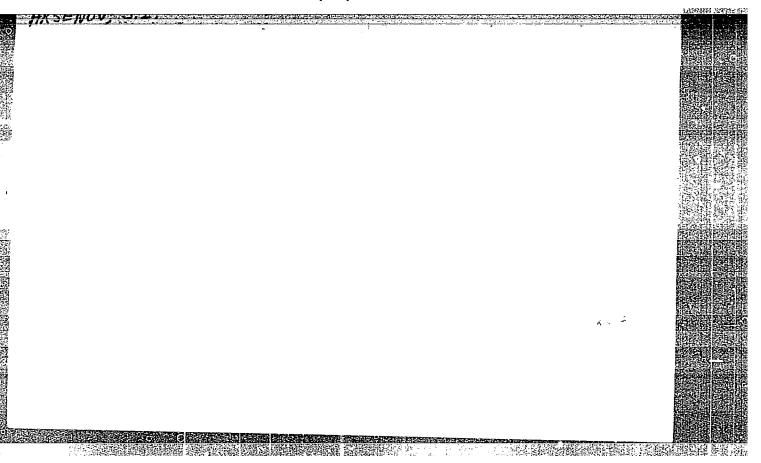
AKSENOV, S.D.

Increasing the stability of the regulation of fuel injectors.

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1. Voronezhskiy sel'skokhozyaystvennyy institut.

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HKZENOV, S.I. USSR/Physics - Ultrasonics

FD-2367

Card 1/1

Pub. 146 -32/34

Author

: Aksenov, S. I.; Vikin, B. P.; and Vladimirskiy, K. V.

Title

: Excitation of ultrasonic oscillations by pondermotive forces

Periodical

: Zhur. eksp. i teor. fiz. 28, 762-764, Jun 1955

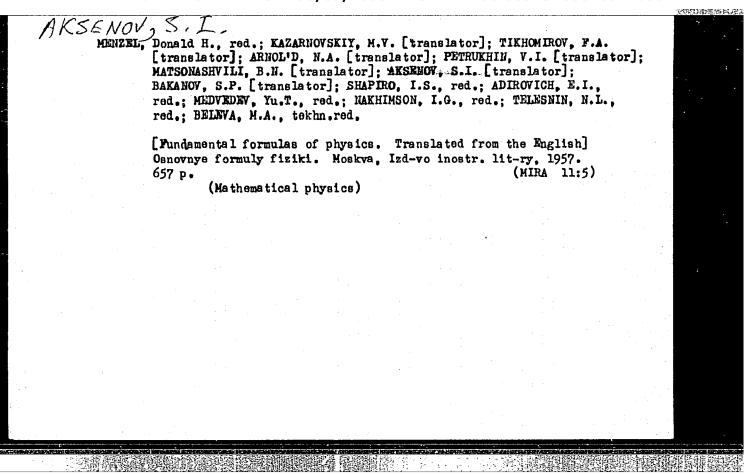
Abstract

In their work with apparatus designed to investigate nuclear magnetic resonance (DAN SSSR, 96, 1954) the authors observed at frequencies of the order of several megacycles interfering resonance effect, which as was explained arises in consequence of the excitation by pendermotive forces of ultrasonic oscillations in the copper conductor comprising the coil of the spectrometer. They observed a number of resonance peaks, with amplitudes considerably exceeding the noise level of the device, for each of the coils during variation of the operating frequency, relative width of the peaks being equal to 1:100 in order of magnitude and the amplitude of the peaks increasing linearly with increase of the constant component and depth of modulation of the field. The authors obtained the eigenvalues of the product of the wave number times radius of the conductor by means of numerical solution of equations set up. Three references.

Institution : Physical Institute im. P. N. Lebedev, Academy of Sciences USSR

Submitted

February 12, 1955



AUTHOR:

Aksenov, S. I.

SOV/56-35-1-53/59

TITLE:

The Shift of Nuclear Magnetic Resonance in Molybdenum (Sdvig yadernogo magnitnogo rezonansa v molibdene)

PERIODICAL:

Zhurnal eksperimental noy i teoreticheskoy fiziki, 1958,

Vol. 35, Nr 1, pp. 300 - 301 (USSR)

ABSTRACT:

This paper investigates the shift of the nuclear magnetic resonance which is caused by the paramagnetism of the

conduction electrons (Knight (Nayt) shift, Ref 1) in metallic molybdenum. The electromagnet with a pole diameter of 300 mm and an airgap of 42 mm permitted measurements in a field with the maximum field strength of 14 000 G. This field was stabilized with respect to deuteron resonance.

In order to avoid the influence of the skin effect, the experiments were carried out with a molybdenum powder; the percentage of the paramagnetic admixtures was not higher than 0,008%. A resonance caused by both of the odd molybdenum isotopes was observed in this molybdenum powder. The experimental results indicate a strong influence of the

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interaction of the nuclear quadrupole moments with the

The Shift of Nuclear Magnetic Resonance in Molybdenum SC

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gradient of the electrical field. This gradient is caused by the dislocations in the lattice structure. The quadrupole interaction of Mo97 is noticeably higher than that of Mo⁹⁵. The intensity decrease of the resonance line (at least for Mo97) is caused in a remarkable degree by quadrupole effects of the second order of magnitude. Both of the resonances in the tempered molybdenum powder are symmetric and have (notwithstanding the noticeably different influence of quadrupol interaction) approximately the same width. The observable part of the resonances, therefore, corresponds to nuclei which are little influenced by the quadrupol effects. The resonance of the other nuclei is so diffuse that it cannot be observed. The influence of quadrupol interaction on the shift of the nuclear magnetic resonance in molybdenum may, therefore, be neglected. The Knight (Nayt) shift was measured for the resonances of Mo95 and Mo97 in an aqueous solution of K_2MoO_4 and the following results were obtained: $\triangle H/H(Mo95) = 4(0,582 \pm 0,005)\%$, Δ H/H(Mo⁹⁷) = (0,586 \pm 0,005)%. These results were found in a field of 12600 G, and analogous values were found also for 8300. G. The equality of values of the shift for

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The Shift of Nuclear Magnetic Resonance in Molybdenum SOV/56-35-1-53/59

both of the isotopes and for two different magnetic field strenghts moreover demonstrates, that influence of quadrupol interaction on shift may be neglected. There are

5 references, 1 of which is Soviet.

ASSOCIATION: Fizicheskiy institut im.P.N.Lebedeva Akademii nauk SSSR

(Physics Institute imeni P.N.Lebedev, AS USSR)

SUBMITTED: April 14, 1958

Card 3/3

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100720007-4"

S/056/62/042/006/043/047 B104/B112

AUTHOR:

Aksenov, S. I.

TITLE:

The line structure of the nuclear magnetic resonance of the

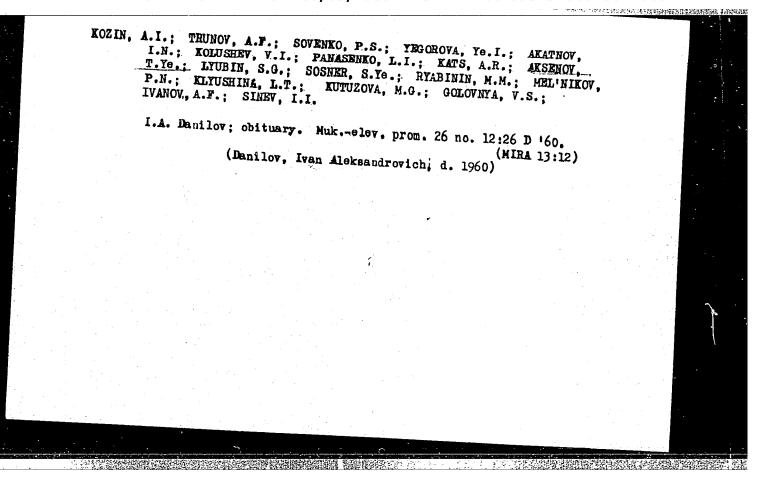
 Cu^{63} and Cu^{65} isotopes in β -brass

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42,

no. 6, 1962, 1677-1679

TEXT: β -brass powder containing 50-55 at% Cu was investigated in a magnetic field of 5,000-13,000 oe. The β -phase was obtained by keeping the powder at 200° C for several hours. The resonances observed were produced by quadrupole effects. In samples of nearly stoichiometric composition, resonance is produced by $1/2 \longrightarrow -1/2$ nuclear level transitions. The characteristics of the ordered domains can be derived from the line structure. For samples with stoichiometric composition the sum of the surfaces of the ordered domains is a minimum. The lateral peaks of the resonance lines are produced by nuclei at the boundary or in the central region of an ordered domain. Freshly crushed powder emits very weak nuclear resonance signals. The resonance line intensity can be Card 1/2



Manufacture of reinforced concrete slabs by vibratory rolling. Trudy
NIIZHB no.21:141-145 '61. (MIRA 14:12)

1. Nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy
Akademii stroitel'stva i arkhitektury USSR.

(Concrete slabs) (Vibrated concrete)

AKSENOV, T.S., inzh.; ZELENKOVA, A.F., inzh.

Preparing reinforced concrete element on the NIISK-LA vibration rolling mill. Trudy NIIZHB no.33:226-231 164.

1. Nauchno-issledovatel skiy institut stroitel rykh konstruktsiy Akademii stroitel stva i arkhitektury UkrSSR.

AKSENOV, T.S., inzh.

Determining the pressure for the NIISK-1A vibration rolling mill.

Trudy NII/MB no.33:232-240 164. (MIRA 18:2)

1. Nauchno-issledovatel skiy institut stroitel nykh konstruktsty Akademii stroitel stva i arkhitektury UkrSSR.

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